UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
CHEMICAL SAFETY
AND POLLUTION
PREVENTION

December 16, 2011

DP BARCODE:		D393308
MRID:		48567501, 48567502, 48567503, 48567504, 48567505, 48567506, 48567507
SUBJECT:		Thymox Disinfectant Spray
REG. NO. OR FILE SYMBOL:		87742-R
DOCUMENT TYPE:		Product Chemistry Review
Manufacturing-use [ ]	OR	End-use Product [X]
INGREDIENTS (PC Codes):		080402
CAS Number:		89-83-8
TEST LAB:		Eurofins: Product Safety Laboratories
SUBMITTER:		Laboratorie M2
GUIDELINE:		830 Guidelines
COMMODITIES:		Formulation
REVIEWER:		Chris Jiang CJ
ORGANIZATION:		AD
APPROVER:		Karen P. Hicks
APPROVED DATE:		12/16/11
COMMENT:		

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
CHEMICAL SAFETY
AND POLLUTION
PREVENTION

December 16, 2011

MEMORANDUM

Subject: Review for 87742-R

From: Chris Jiang, Chemist
Chemistry and Toxicology Team
Product Science Branch
Antimicrobials Division (7510P)

Chris Jiang
12/16/11

Thru: Karen P. Hicks, CT Team Leader
Chemistry and Toxicology Team
Product Science Branch
Antimicrobials Division (7510P)

To: Jacqueline McFarlane PM 34\Stacey Grigsby
Regulatory Management Branch II
Antimicrobials Division (7510P)

Applicant: Laboratorie M2

Formulation from Label

Active Ingredient(s)	
Thymol	0.23 %
Other Ingredients	99.77 %
Total	100.00 %

BACKGROUND:

The registrant has submitted a cover letter, a label, a Confidential Statement of Formula (CSF) for the basic formulation, and product chemistry data requirements that have been identified by the Agency as MRIDs 48567501, 48567502, 48567503, 48567504, 48567505, 48567506, and 48567507 to register this disinfectant.
The contractor has conducted a primary review of this submission and Product Science Branch of Antimicrobials Division has conducted a secondary review which supersedes the primary review.

FINDINGS:

1. The concentration of the active ingredient on the Confidential Statement of Formula (CSF dated 2011/12/16 for the basic formulation) is consistent with the label declaration.

2. All ingredients are approved for non-food use in pesticidal products.

3. The product identity and composition is **acceptable**.

4. The description of the starting materials is **acceptable**.

5. The description of the formulation process is **acceptable**.

6. The discussion of formation of impurities is **acceptable**.

7. All certified limits are **acceptable**.

8. The enforcement analytical method is **acceptable**.

9. The color, physical state, and odor are **acceptable** as the product is a colorless clear liquid with a spicy scent.

10. The density is **acceptable**. At 20°C, this property was measured to be 1.0 g/mL.

11. The pH is **acceptable** as the pH of a 1% solution of the product was determined to be 5.61.

12. The oxidation/reduction potential is **acceptable** as the product contains no oxidizing or reducing agents.

13. The flammability is **acceptable** as the flash point was in excess of 100 °C.

14. The explodability is **acceptable** as the product contains no explosive ingredients.

15. A joint study for storage stability and corrosion characteristics is ongoing.

16. The viscosity is **acceptable**. At 20 °C, the average viscosity was determined to be 1.169 cSt. At 40 °C, the average viscosity was determined to be 0.707 cSt.

17. The miscibility is **acceptable** as the product is not an emulsifiable liquid intended to be diluted with petroleum distillates.

18. The dielectric breakdown voltage is **acceptable** as the product is not to be used around electrical equipment.

CONCLUSIONS:

Product Science Branch of Antimicrobials Division finds the CSF and data for 87742-R to be acceptable, pending submission and acceptance of the study for storage stability and corrosion characteristics.